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ABSTRACT

Designed primarily to serve professionals who are interested or involved in the field of college-level cooperative education, this bibliography, with brief annotations for some entries, emphasizes college programs in both 2- and 4-year schools. Stress has been given to business and liberal arts programs. Cooperative education vocational and technical schools has not been covered. The bibliography cites books, journal articles, articles from the "Handbook of Cooperative Education," articles from other sources, and "Sandwich Courses" and their development in higher education. (DB)

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A SELECTED BIBLIOGRAPHY OF REFERENCES TO COOPERATIVE EDUCATION IN TWO-YEAR AND FOUR-YEAR COLLEGES AND UNIVERSITIES

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JC 740 323

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July, 1974

FOREWORD

This bibliography is designed primarily to serve professionals newly interested in or entering the rapidly expanding field of college level cooperative education. Hopefully, it will also be of help to coordinators, administrators, faculty, students, employers and others who may already be involved but wish to deepen their understanding and extend their knowledge of cooperative education--which, according to Cross (1973), is "one of the most rapidly growing major curricular innovations of the 1970's."

Special acknowledgment, for the headstart afforded me in preparation of this selected bibliography, is extended to Dr. Joseph E. Barbeau, Associate Professor of Education at Northeastern University, whom I met while attending a week-long coordinator training workshop in Boston during March, 1974.

For the section of the bibliography dealing with the "Sandwich Plan" (as cooperative education is called in England), I am indebted to Col. James Grant of Newcastle Upon Tyne Polytechnic (now retired), who wrote the chapter on the Sandwich Plan in Asa Knowles' HANDBOOK OF COOPERATIVE EDUCATION (1971). I had the pleasure of meeting and consulting with him in January, 1974, during a week's tour of Sandwich Programs at four polytechnics throughout England which he kindly helped to arrange.

Emphasis throughout this bibliography has been placed on college programs--both for two-year and four-year schools. Cooperative education programs in Vocational and Technical schools has not been covered, nor have 'co-op ed' programs in high schools. Stress has been on business and liberal arts programs as opposed to engineering and professional school programs. Many of the references cited would, of course, be common to all of these other facets, but each has a wide literature of its own which has not been selected for reference here.

New Statewide Program in Wisconsin

My own active involvement in cooperative education began in September, 1973, when, with assistance and encouragement from Allan F. Hershfield, Assistant Chancellor for Program Development for the UW Center System, James M. Pannier and I developed the idea of a state-wide "Careership Program" to be initiated first at the UW Center-Barron County at Rice Lake and then on a phased basis extended throughout the state via the other 13 two-year campuses that together comprise the UW Center System. Work is nearly completed on our planning grant which the US Office of Education funded in October, 1973, and the Careership Program will enter the operational phase this fall under a USOE implementation grant. (Approved July, 1974)

Since the University of Wisconsin Center System of 14 two-year campuses is second only to the University of Wisconsin-Madison campus as the largest educator of freshmen and sophomore college students in the state, it is logical for the Center System campuses to function as coordination points in this new cooperative education network as it expands statewide from the pilot Careership Program already underway at the UW Center in Rice Lake.

Following the operational blueprint laid out in the planning grant, each of the two-year campuses will establish close contacts with the four-year campuses to which most of its students will be transferring so that students selecting the 'co-op' option of the Careership Program will be passed along personally on a prearranged track.

Students normally can expect to transfer up to 72 credits; this should now include up to 6 semester hours of lower division Careership elective credits; and include 4 semester hours of upper division Careership credit accepted as part of the student's requirements for his major or minor. Learning contracts for the upper division credit will require approval by the four-year professor as well as the initiating professor at the two-year campus.

It is hoped that this new statewide network will enhance and strengthen a number of excellent programs already in existence at various of the 13 four-year colleges in Wisconsin...perhaps providing the stimulus for what may become "The Wisconsin Consortium" in cooperative education.

The National Perspective

A significant shift in the way college students are trained for life careers is taking place on college campuses throughout the US. An increasing number of schools are offering what is called "cooperative education"--which involves alternating periods of earning and learning and the integration of classroom work with practical experience on a job. Cooperative education is one of the most rapidly growing major curricular innovations of the 1970's. (Cross, 1973)

In fact, cooperative education programs are growing so rapidly on both two-year and four-year college campuses as to be a veritable explosion. In 1960 there were only 35 programs; by 1971 there were 225 (Knowles, 1971). Only two years later there were over 350, of which 40 percent were two-year college programs. Predictions are that this will more than double by the mid-1970's. Wilson (1974) estimated that operational programs this year would exceed 500, which taken together with nearly 300 programs in the planning grant state totals 800 involving about 30 percent of all college campuses in the nation.

Though the rate of growth of cooperative education has escalated sharply in recent years, a dual root structure dates back many years--to 1906 when the first college program began at the University of Cincinnati in engineering; and to 1921 at Antioch College at Yellow Springs, Ohio, which broadened the concept beyond engineering to all fields of study including liberal arts. (Lupton, 1973).

Over three-quarters of all programs in existence in 1972 were established after 1960. (Wilson, 1972) And one out of five of these were established in a single year, 1971-72. The proportion of programs of recent origin is, of course, increasing owing to the rapid initiation of new programs cited above.

The consensus now is that co-op education is applicable in every field--from engineering and business administration where it first took hold... through nursing, architecture, law and other professionally oriented vocations... to the natural sciences, psychology, education, English, literature, history, philosophy... where it has not been found necessary or desirable always to seek a direct tie-in with a specific vocation or career.

R. H. Brownlee

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The ERIC Clearinghouse on Higher Education abstracts and indexes the current research literature on higher education for publication in the National Institute for Education's monthly volume, Research in Education (RIE). Readers who wish to order ERIC documents cited in the bibliography should write to the ERIC Document Reproduction Service, Post Office Drawer 0, Bethesda, Maryland 20014. When ordering, please specify the ERIC document (ED) number. Unless otherwise noted, documents are available in both microfiche (MF) and hard/photocopy (HC). All microfiche titles cost $0.65; hard/photocopy reproduction costs $3.29 per 100 pages. All orders must be in writing and payment must accompany orders of less than $10.00.

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